

## **AIR MONITORING FOR HAZARDOUS MATERIALS (165.4)**

### **5 DAYS**

This course instructs participants in the practices and procedures for monitoring and sampling airborne hazardous materials. It is designed for personnel who evaluate releases of airborne hazardous materials at hazardous waste sites or accidental hazardous material releases. Evaluation of worker exposure to these releases is emphasized.

Topics that are discussed include air monitoring and sampling programs, air monitoring and sampling techniques, air monitoring and sampling equipment, instrument calibration, exposure guidelines, air dispersion modeling, and health and safety considerations. The course will include operating procedures for specific air monitoring and sampling equipment, as well as strategies for air monitoring and sampling at abandoned hazardous waste sites and for accidental releases of hazardous chemicals.

Instructional methods include a combination of lectures, group discussions, problem-solving sessions, and laboratory and field exercises with hands-on use of instruments.

After completing the course, participants will be able to:

- Properly use the following types of air monitoring and sampling equipment:
  - Combustible gas indicators
  - Oxygen monitors
  - Detector tubes
  - Toxic gas monitors
  - Photoionization detectors
  - Flame ionization detectors
  - Gas chromatographs
  - Sampling pumps and collection media
  - Direct-reading aerosol monitors.
- Identify the operational parameters, limitations, and data interpretation requirements for the instruments listed above.
- Identify the factors to be considered in the development of air monitoring and sampling plans.
- Discuss the use of air monitoring data for the establishment of personnel and operations health and safety requirements.

*Note: Calculators are recommended.*

Continuing Education Units: 2.9

ABIH Certification Maintenance points: 4.0

## **Air Monitoring for Hazardous Materials (cont.)**

### **Course Dates and Locations**

#### **2001**

October 15–19	Region 8	October 29 – November 2	Region 1
December 3–7	Region 4		

#### **2002**

January 14–18	Region 7	May 6–10	Cincinnati, Ohio
February 25 – March 1	Edison, New Jersey	June 10–14	Region 10
March 18–22	Region 2	September 9–13	Region 6
April 15–19	Region 9	September 23–27	Region 3